

CLAIMS

1. A method of computer-aided extraction of quantitative information, the method comprising the steps of:
 - 5 acquiring primary data from an object to be examined;
 - processing the primary data on the basis of a primary parameter set to determine a primary result;
 - determining a confidence interval with respect to the primary result;
 - 10 displaying the primary result and the confidence interval;
 - adjusting the primary parameter set on the basis of an input;
 - reprocessing the primary data on the basis of the adjusted primary parameter set to determine a secondary result; and
 - displaying the secondary result.
- 15 2. The method of claim 1,
 - wherein the primary parameter set comprises a plurality of parameters;
 - varying at least one parameter of the primary parameter set;
 - adjusting the primary parameter set on the basis of the at least one parameter
 - 20 which is varied; and
 - interactively reprocessing the primary data on the basis of the adjusted parameter set to determine the secondary result and displaying the secondary result.
- 25 3. The method of claim 1, further comprising the steps of:
 - providing a distrust selection option; and
 - forwarding the primary data and the corresponding primary parameter set to a service port when the distrust selection option is selected.
- 30 4. The method of claim 1, further comprising the steps of:
 - providing a trust selection option; and

storing the primary parameter set in correspondence with the primary data when the trust selection option is selected.

5. The method of claim 1, further comprising the steps of:

- 5 comparing the primary diagnostic data to secondary data;
- deciding whether the primary data is comparable to any of the secondary data;
- reprocessing the primary data on the basis of a secondary parameter set belonging to similar secondary data to determine a tertiary result; and

displaying the tertiary result.

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6. The method of claim 1,

wherein the method allows for an explorative determination of a dependability of at least one of the primary and secondary results.

15 7. Data processing device, comprising:

a memory for storing primary data from an object to be examined and a primary parameter set;

a processor for processing the primary data for a computer-aided extraction of quantitative information to determine a primary and a secondary result; and

20 a display for displaying the primary and secondary results;

wherein the primary data is processed by the processor on the basis of a primary parameter set to determine a primary result;

wherein a confidence interval is determined by the processor with respect to the primary result;

25 wherein the primary result and the confidence interval are displayed on the display;

wherein the primary parameter set is adjusted on the basis of an input by the processor;

wherein a reprocessing the primary data on the basis of the adjusted primary parameter set to determine a secondary result is performed by the processor; and

30 wherein the secondary result is displayed on the display.

8. Computer program for a data processing device for performing a computer-aided extraction of quantitative information, wherein, when the computer program is executed on a data processor of the data processing device, the data processing device executes the following steps:
 - 5 acquiring primary data from an object to be examined;
 - processing the primary data on the basis of a primary parameter set to determine a primary result;
 - determining a confidence interval with respect to the primary result;
 - displaying the primary result and the confidence interval;
 - 10 adjusting the primary parameter set on the basis of an input;
 - reprocessing the primary data on the basis of the adjusted primary parameter set to determine a secondary result; and
 - displaying the secondary result.